



PATENT ABSTRACTS OF JAPAN

(11) Publication number (Emperor's year): **08121057 A**(43) Date of publication of application: **14 . 05 . 96**(51) Int. Cl. **E06B 9/56**
B60J 3/00(21) Application number: **06257818**(71) Applicant: **TOSO CO LTD**(22) Date of filing: **24 . 10 . 94**(72) Inventor: **SHIINA NORIHIRO****(54) MANUALLY OPENING/CLOSING TYPE ROLL SCREEN DEVICE**

the brake drum 25 and thereby, the screen 14 can be stopped at an optional position.

(57) Abstract:

COPYRIGHT: (C)1996,JPO

PURPOSE: To provide a manually operating opening/closing type roll screen which can be used for wide and slant windows of a vehicle and which does not require readjustment of a guide cord due to the elongation during use.

CONSTITUTION: In a roll screen in which two guide cords are diagonally inserted in the inside of a weight bar 15 fixing the side rails 11 provided at both sides of a window and the front end of a screen and a winding-up spring is built-in in a roll winding the screen are assembled, the end of the weight bar 15 is fitted in an end case 20. The end case is inserted in the inside from an opening 16 of the side rail 11 to slide together with the weight bar 15. And a brake case 24 is inserted in the end case 20 from the outer end side. A brake drum 25 is supported with bearings at the brake case 24. And the pinion 26 is fixed to the brake drum 25. The pinion 26 is forced to mesh the rack 27 provided in the inside of side rail 11 and a brake spring 29 is fitted to the brake drum. And a braking protrusion 30 preventing the rotation of the brake spring 29 is provided in the brake case 24. When the pinion 26 is rotated, a frictional resistance is brought between the brake spring 29 and

